GUARDIT™

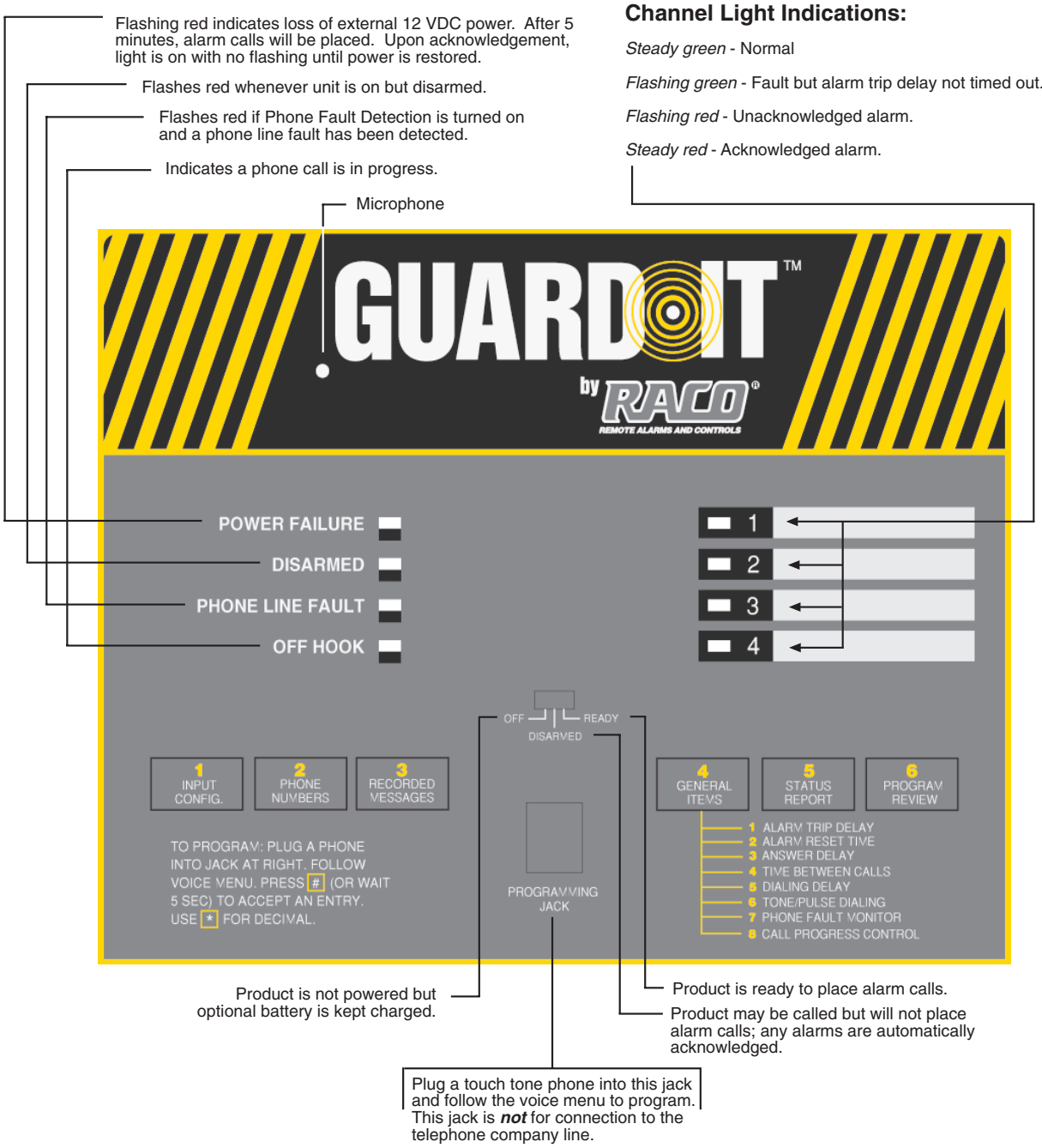
Owner's Manual

SINCE 1948

RACO®

REMOTE ALARMS AND CONTROLS

Guard-It™ Front Panel Diagram


Flashing red indicates loss of external 12 VDC power. After 5 minutes, alarm calls will be placed. Upon acknowledgement, light is on with no flashing until power is restored.
Flashes red whenever unit is on but disarmed.
Flashes red if Phone Fault Detection is turned on and a phone line fault has been detected.
Indicates a phone call is in progress.
Microphone
Channel Light Indications:
Steady green - Normal
Flashing green - Fault but alarm trip delay not timed out.
Flashing red - Unacknowledged alarm.
Steady red - Acknowledged alarm.
GUARD IT ™
by RACO
REMOTE ALARMS AND CONTROLS
POWER FAILURE
DISARMED
PHONE LINE FAULT
OFF HOOK
1
2
3
4
OFF
READY
DISARMED
1 INPUT CONFIG.
2 PHONE NUMBERS
3 RECORDED MESSAGES
4 GENERAL ITEMS
5 STATUS REPORT
6 PROGRAM REVIEW
TO PROGRAM: PLUG A PHONE INTO JACK AT RIGHT. FOLLOW VOICE MENU. PRESS # (OR WAIT 5 SEC) TO ACCEPT AN ENTRY. USE * FOR DECIMAL.
PROGRAMMING JACK
1 ALARM TRIP DELAY
2 ALARM RESET TIME
3 ANSWER DELAY
4 TIME BETWEEN CALLS
5 DIALING DELAY
6 TONE/PULSE DIALING
7 PHONE FAULT MONITOR
8 CALL PROGRESS CONTROL
Product is not powered but optional battery is kept charged.
Product is ready to place alarm calls.
Product may be called but will not place alarm calls; any alarms are automatically acknowledged.
Plug a touch tone phone into this jack and follow the voice menu to program. This jack is not for connection to the telephone company line.

4 Programming Your Guard-It™ Autodialer

4.1 Programming Menu

To program your Guard-It™ autodialer, you will need a standard touch-tone telephone.

Telephones which have the keypad located separately from the handset, are most convenient for this purpose.

Just plug the telephone temporarily into the Programming Jack on the front panel of the product, lift the receiver, and follow the voice menu to enter your programming and record your voice messages.

If you do not make any selection from the "top" menu, it will be repeated once and then the program mode will be terminated.

To begin again, simply hang up the programming phone for a second or so, and then pick it up again. You may do this from most places in the programming menu, whenever you want a fresh start.

For most programming items, you will hear the present programming entry if any, and then you will be given a chance to either accept this existing entry by pressing pound (#), or else make a new entry.

If you make a new entry, it will be repeated back to you for confirmation.

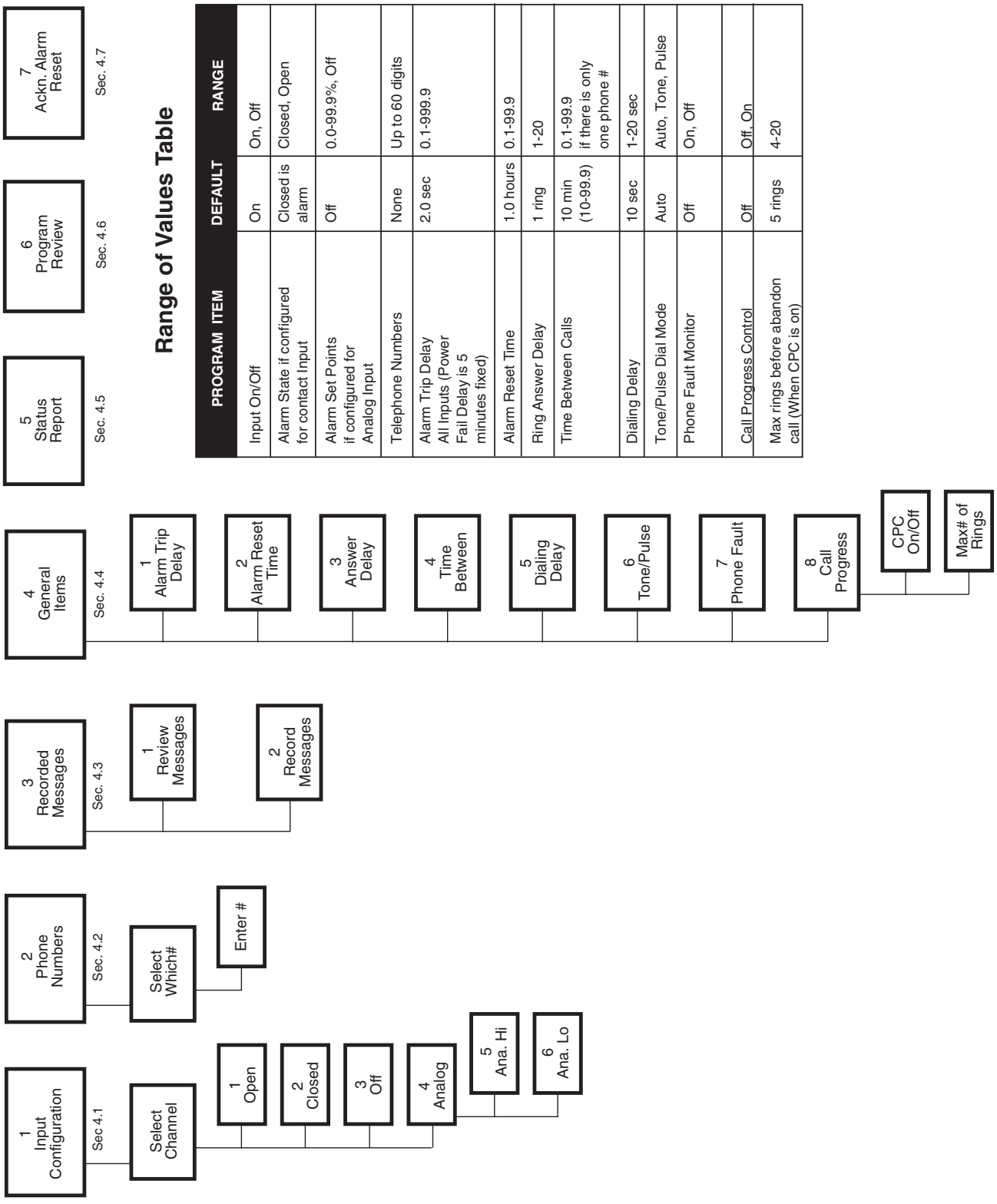
In general, pressing the pound (#) key will cause whatever you have keyed in to be accepted and recited back for confirmation.

When keying in a menu choice rather than a value, the choice will be accepted and recited without need to press pound (#).

Pressing the pound (#) key when you have not keyed in any entry, will generally return you to the previous menu level.

If you make an entry that the Product considers invalid, it will respond with a statement, *"Value fault. Enter a new value."* The previous valid setting will be retained and restated, and then you will be prompted to make a new entry if you wish to do so. This would occur, for example, if you entered a value that was outside the allowable range of values for that programming item.

Guard-It™ Programming Flow Chart



Range of Values Table

PROGRAM ITEM	DEFAULT	RANGE
Input On/Off	On	On, Off
Alarm State if configured for contact Input	Closed is alarm	Closed, Open
Alarm Set Points if configured for Analog Input	Off	0.0-99.9%, Off
Telephone Numbers	None	Up to 60 digits
Alarm Trip Delay All Inputs (Power Fail Delay is 5 minutes fixed)	2.0 sec	0.1-999.9
Alarm Reset Time	1.0 hours	0.1-99.9
Ring Answer Delay	1 ring	1-20
Time Between Calls	10 min (10-99.9)	0.1-99.9 if there is only one phone #
Dialing Delay	10 sec	1-20 sec
Tone/Pulse Dial Mode	Auto	Auto, Tone, Pulse
Phone Fault Monitor	Off	On, Off
Call Progress Control	Off	Off, On
Max rings before abandon call (When CPC is on)	5 rings	4-20

Example:

To configure input channel 3 to alarm on Open Circuit, from the top menu press:

```
1 3 1
```

Refer to Appendix A for additional information on programming for analog signal inputs.

4.1.2 Phone Number Programming

2 PHONE NUMBERS

You must program at least one phone number for your Guard-It™ autodialer to dial when it has an alarm to report.

Note:

Until you do so, any alarms which are detected will be automatically acknowledged without any alarm calls being placed.

To program phone numbers, you must first select which of 8 available phone numbers (first, second, etc.) you want to program. The voice menu will ask you for this number, which will be a number from 1 to 8. Then it will recite the presently programmed phone number for that selection, if any. Then it will allow you to accept the current entry by pressing pound (#), or else enter a new phone number for that selection.

Be sure to include any necessary prefixes or area codes, just as you would dial it on an ordinary telephone.

As you enter each digit, be sure to listen for the voice to repeat back that digit, before you enter the next digit.

Example:

To program the third phone number to be 1 (510) 658-6713, from the top menu you would press [2] for phone number programming, then [3] to select the third phone number, then:

```
1  5  1  0  6  5  8  6  7  1  3  #
```

Listen carefully as the completed entry is repeated back to you, to be sure it was entered and accepted correctly.

To delete a phone number, program it to be 00.

For example, to clear out the fourth phone number, from the top menu you would press [2] for phone number programming, then [4] to select the fourth phone number, then:

```
0 0 #.
```

7 Testing

A suitable program of testing is highly adviseable for any alarm autodialer. The frequency and thoroughness of the test should be gauged according to the potential consequences of missing an alarm call.

Test the unit by simulating an alarm at one or more of the inputs. If you have an optional rechargeable battery installed, you can create a power failure alarm by disconnecting the external 12 VDC power source and waiting 5 minutes for a power failure alarm to be tripped.

You can leave the power disconnected and see how long the unit remains operational, running on its optional rechargeable battery. You might temporarily program an alarm reset time of, say, four hours, so that you would get a new set of calls every four hours until the battery lost charge.